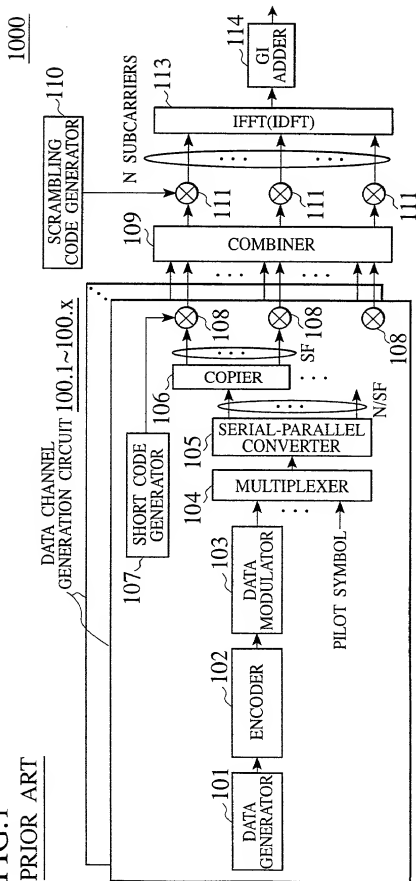
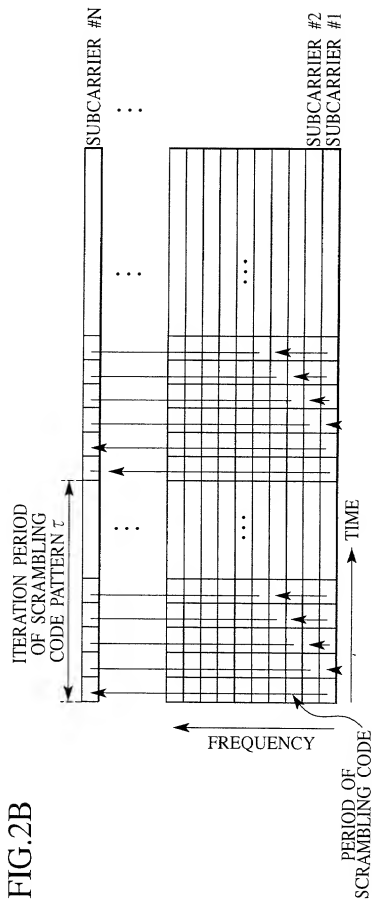
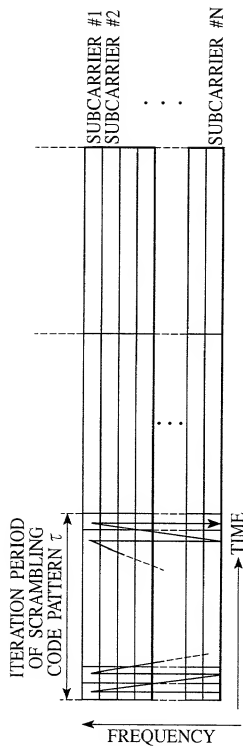


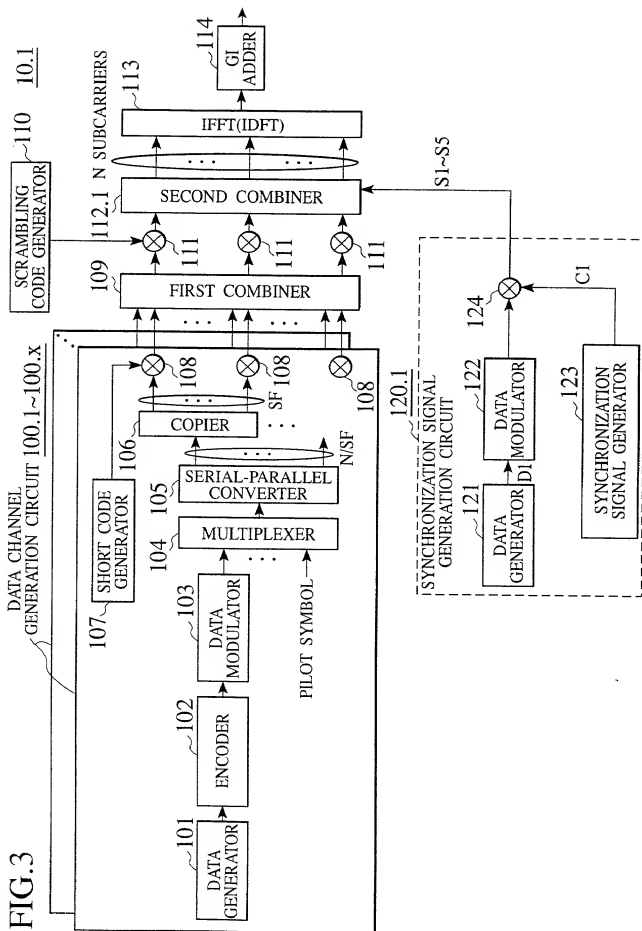
FIG. 1
PRIOR ART



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FIG. 4A

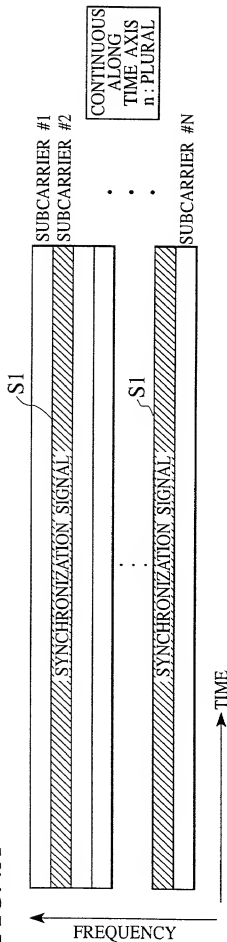
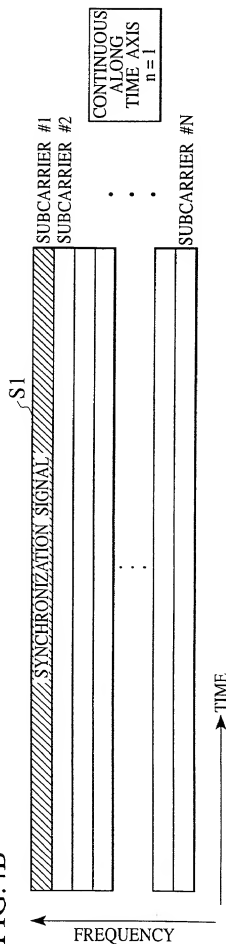
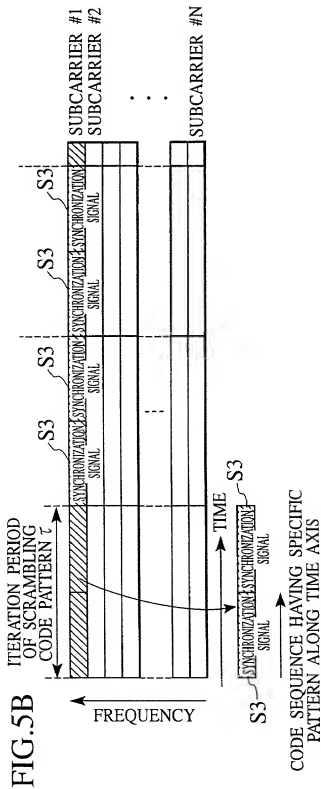
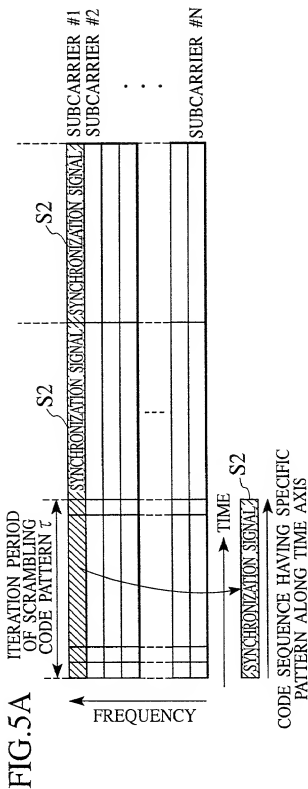


FIG. 4B



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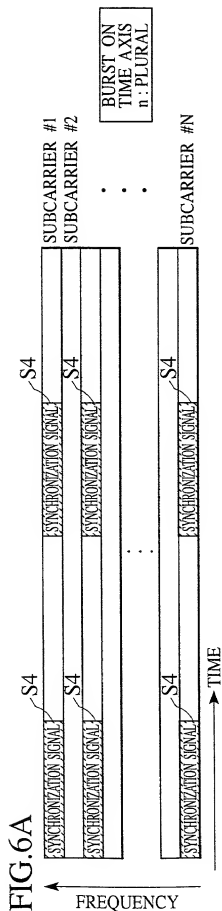


FIG. 6B

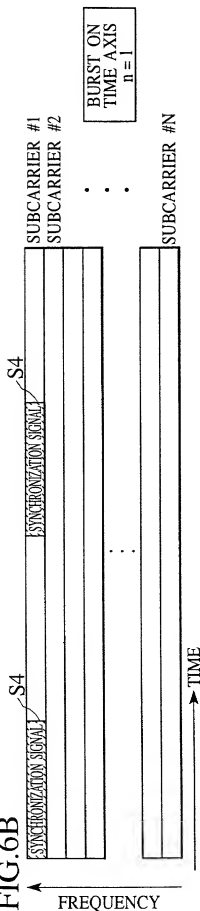
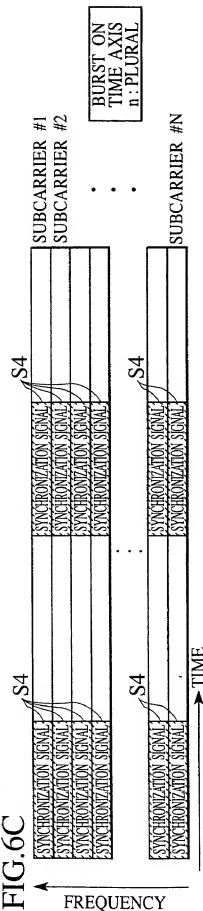
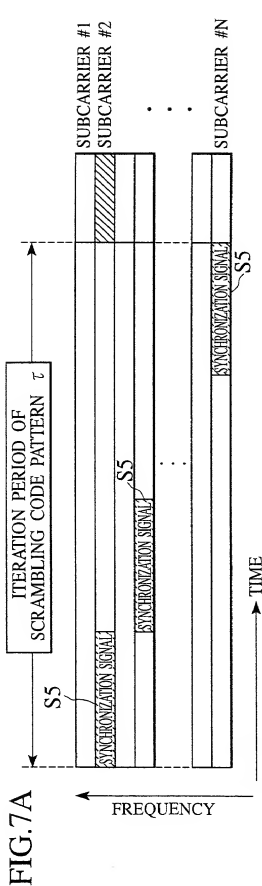
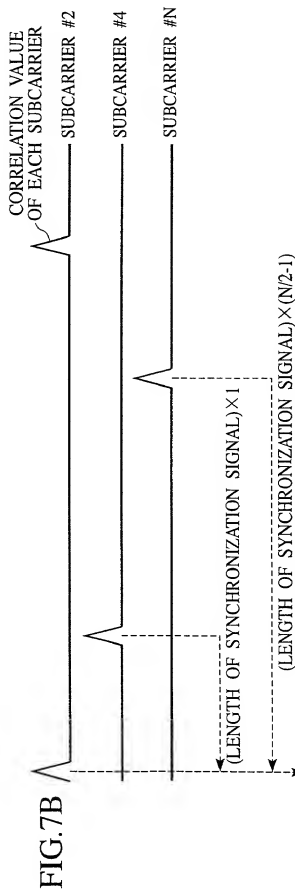


FIG. 6C

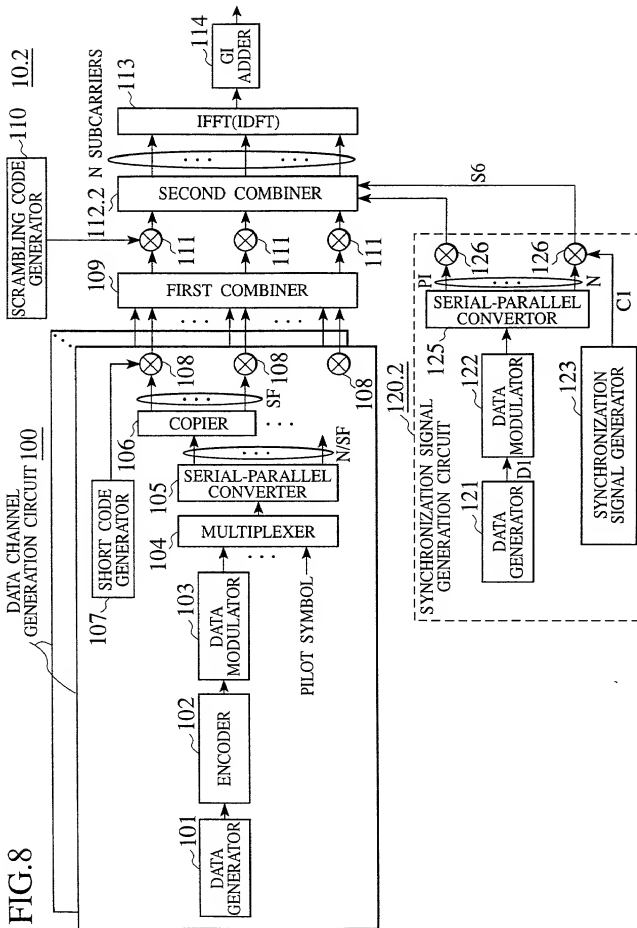




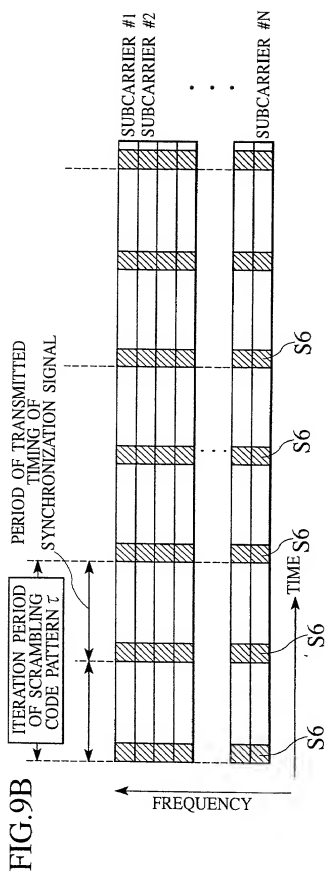
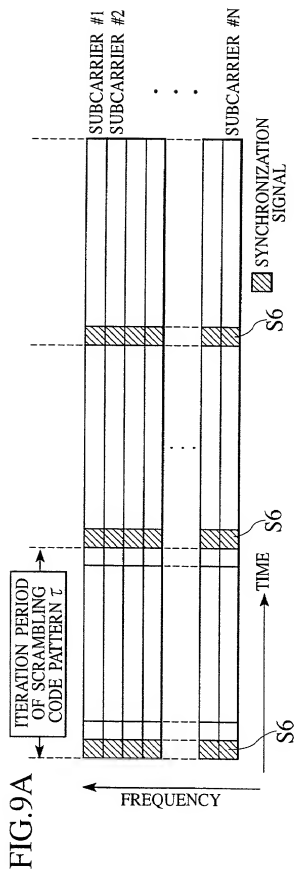
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START TIMING OF
SCRAMBLING CODE
MULTIPLICATION

DATA CHANNEL
GENERATION CIRCUIT 100

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FIG.10

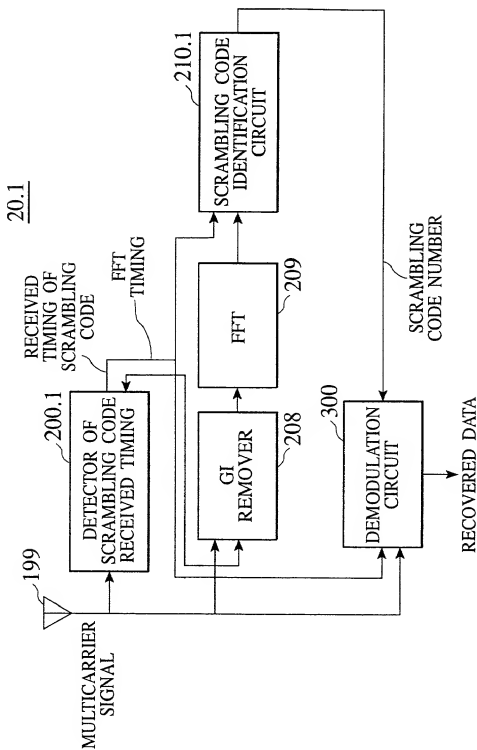


FIG. 11

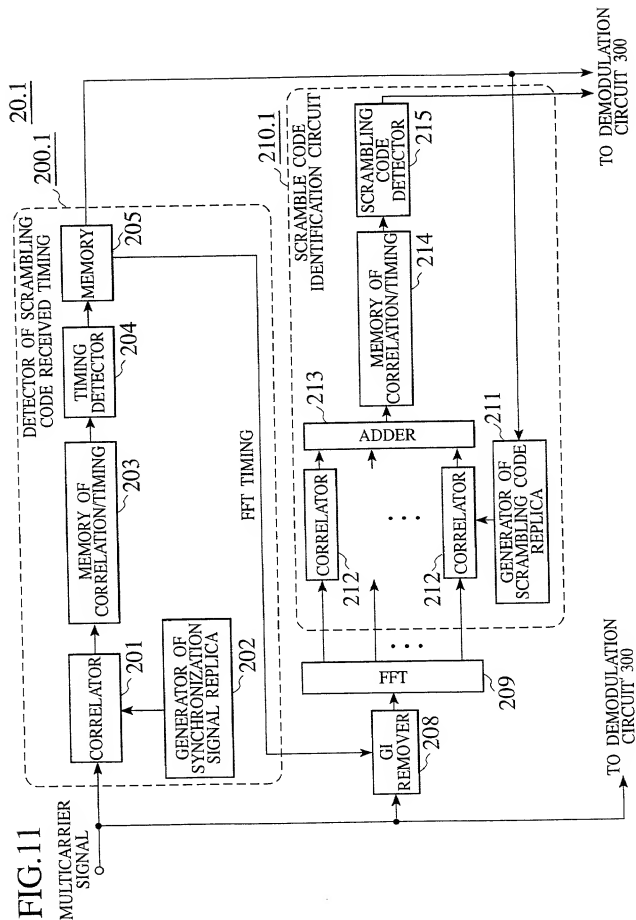
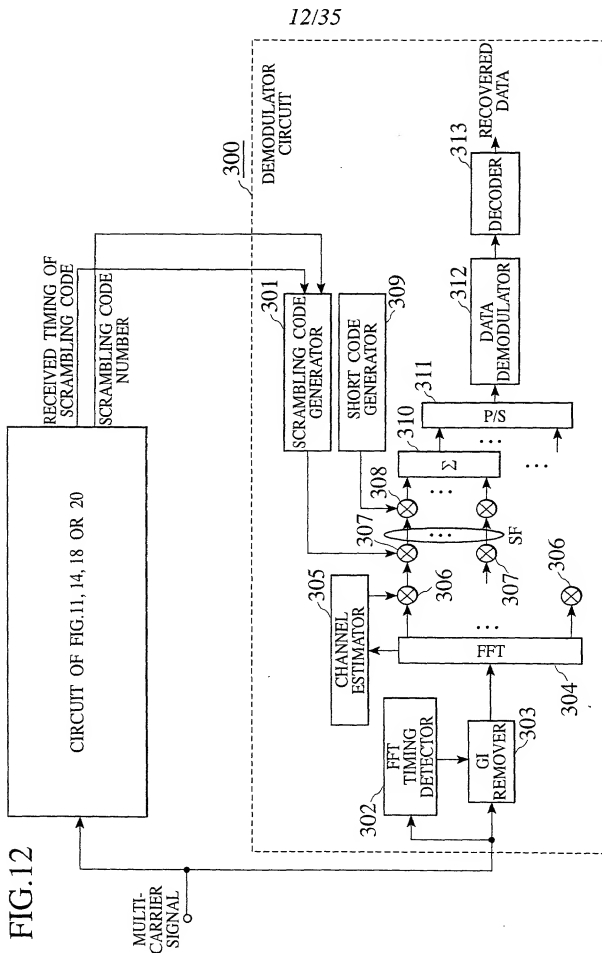


FIG. 12



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FIG.13

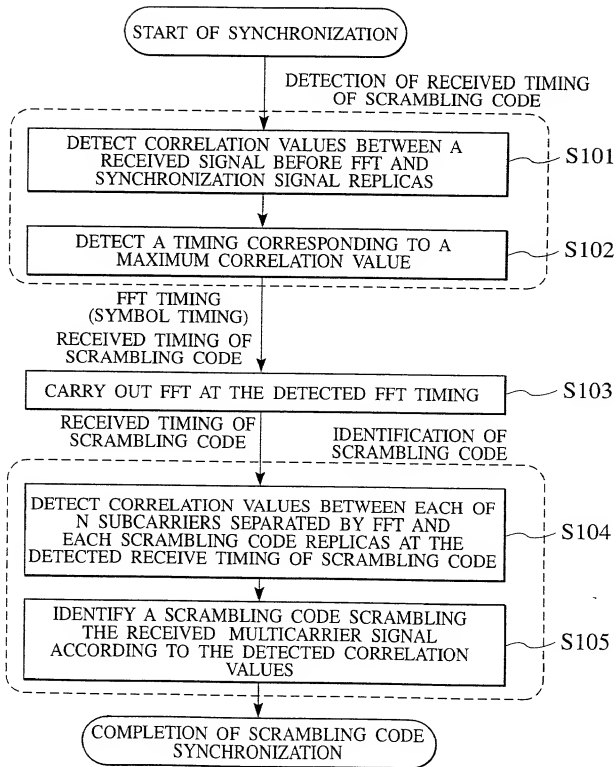
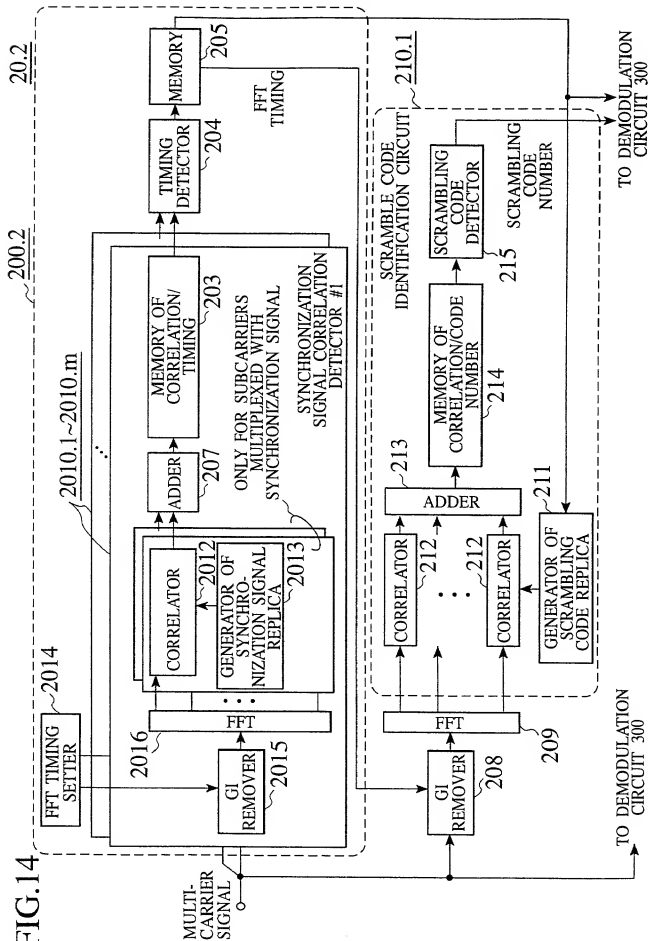


FIG. 14



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FIG.15

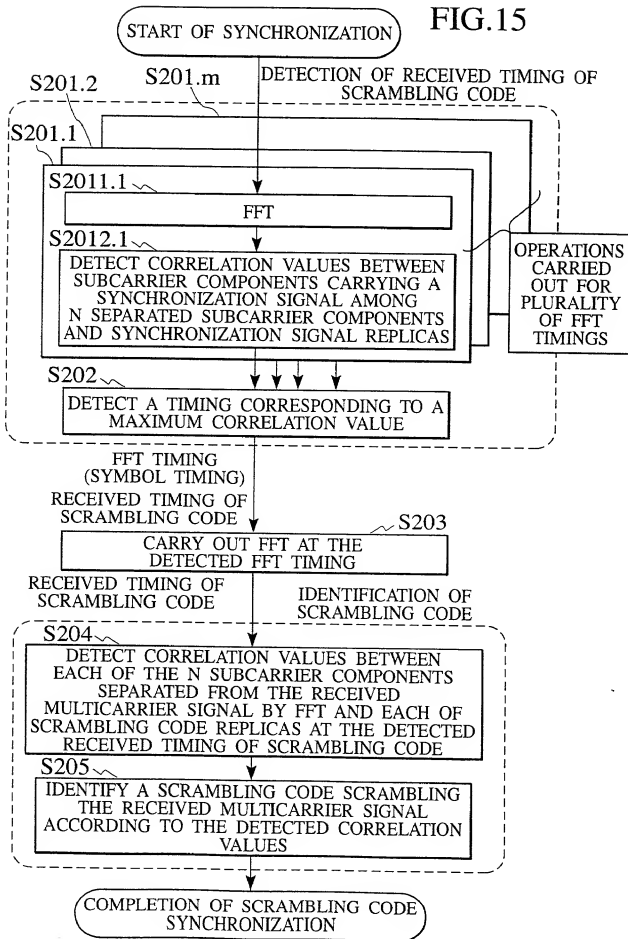
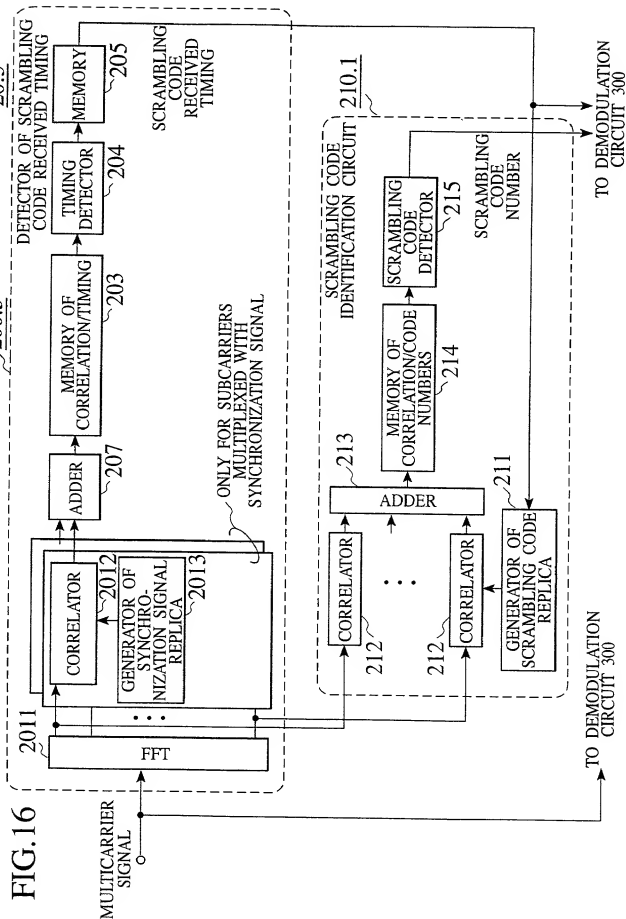


FIG. 16



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FIG.17

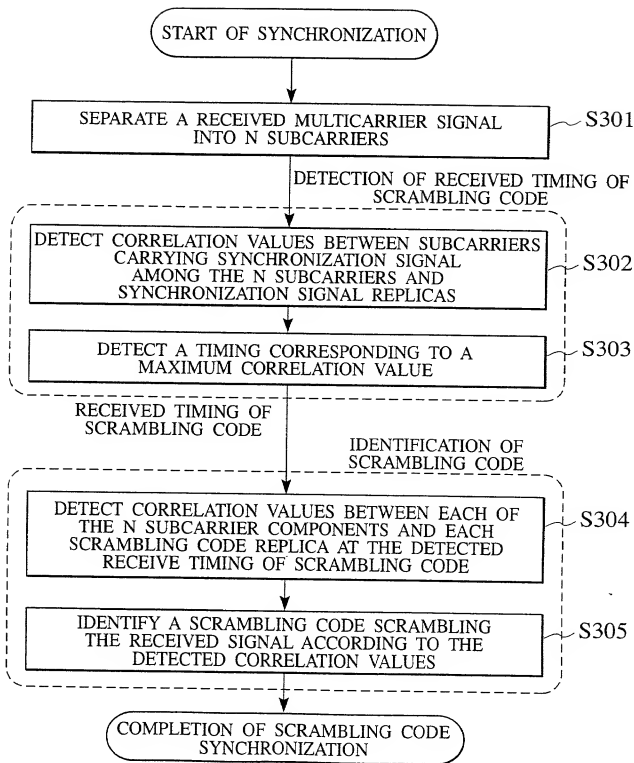
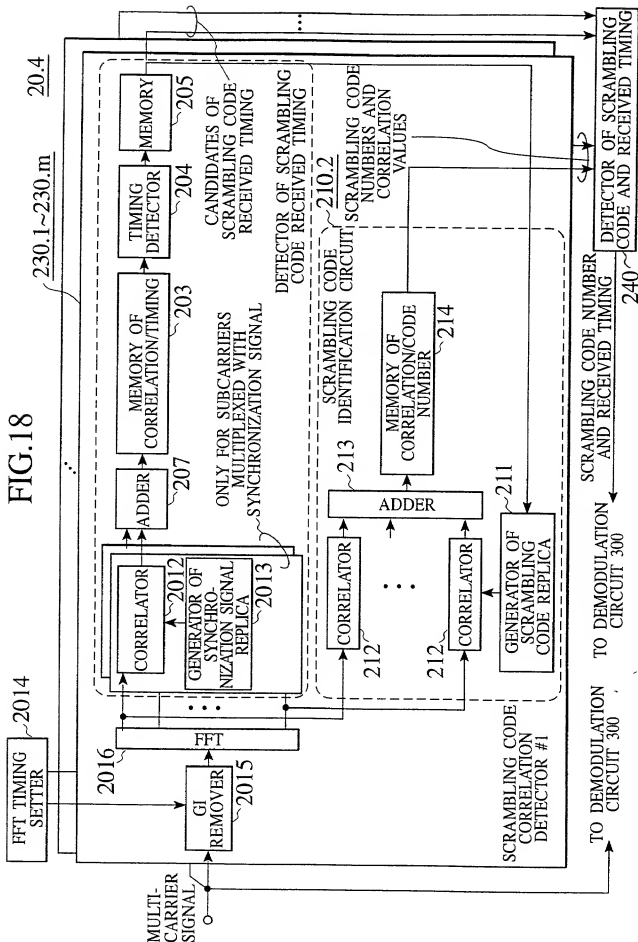
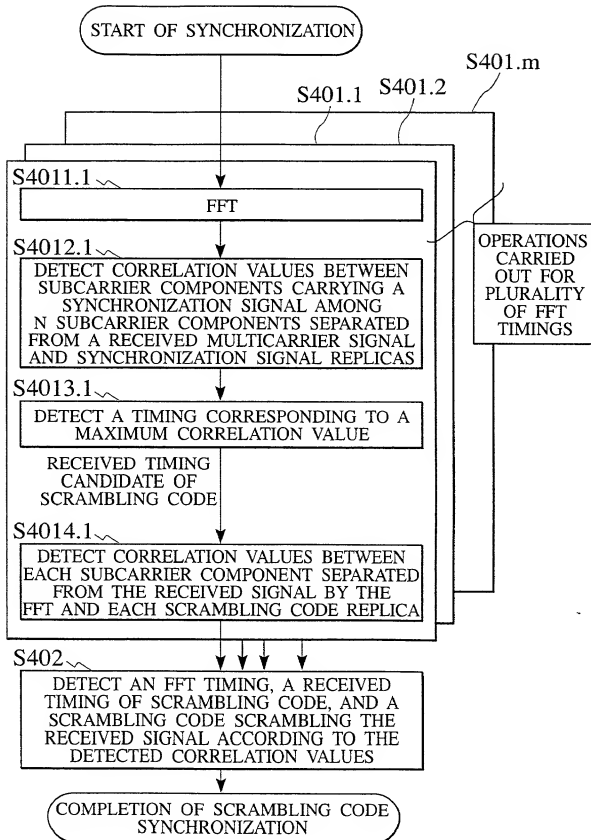


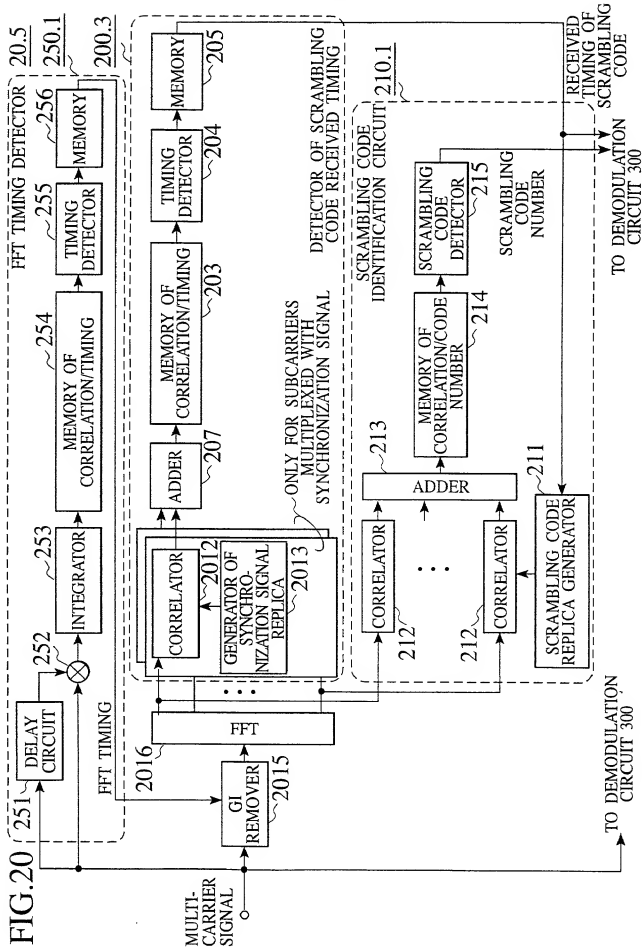
FIG. 18



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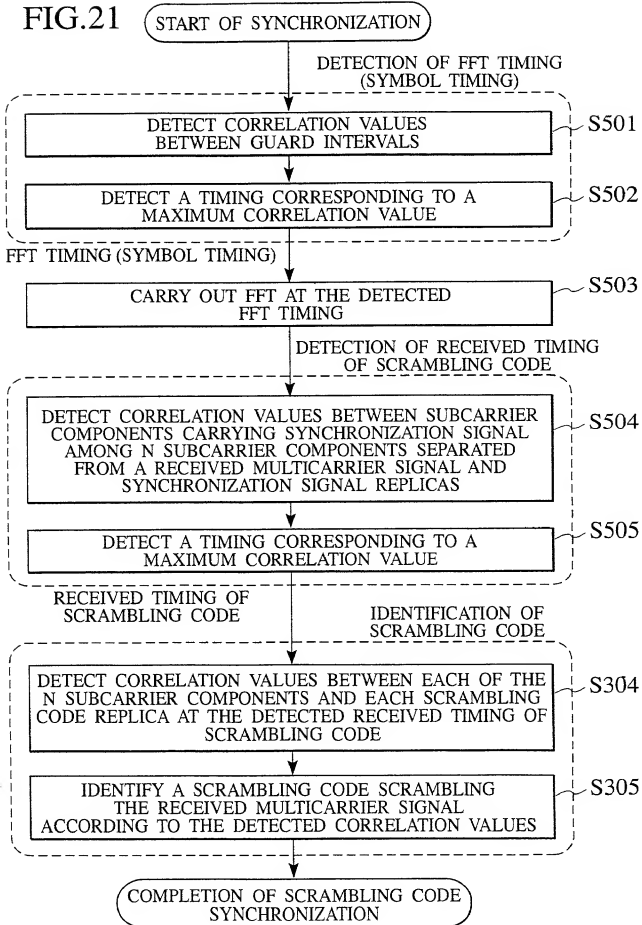
FIG.19





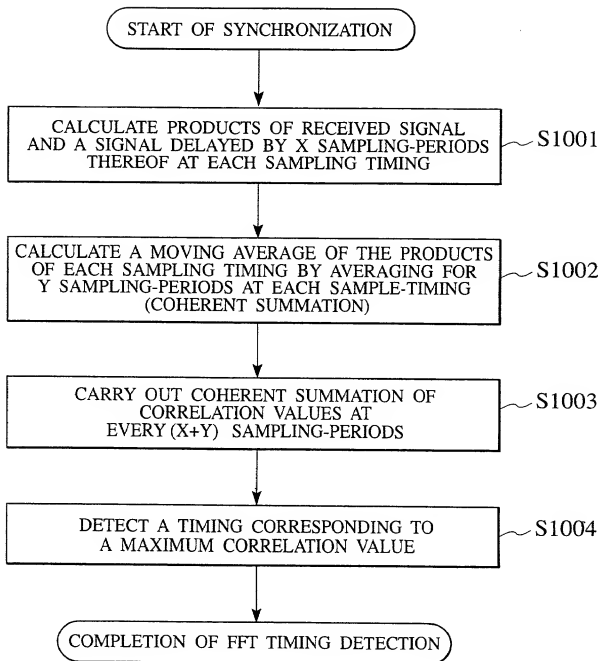
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FIG.21



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FIG.22



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FIG.23

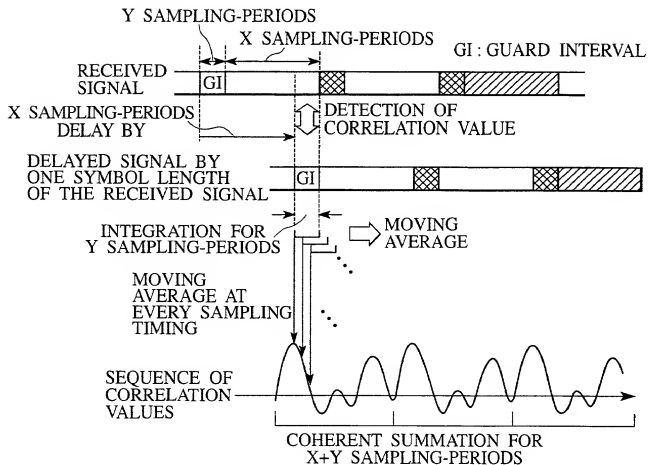
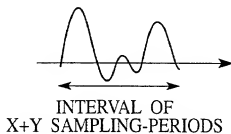
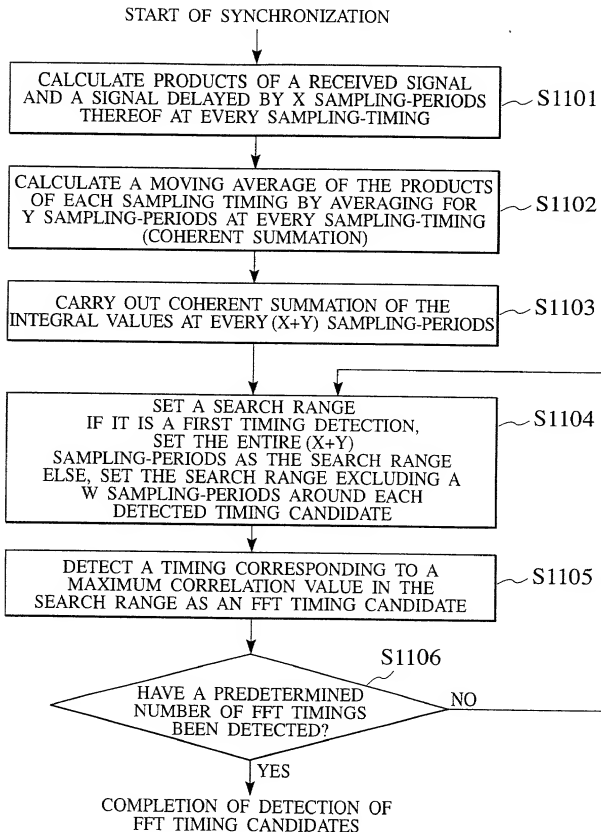


FIG.24



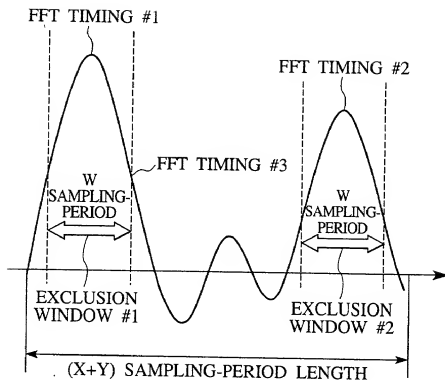
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FIG.26



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FIG.27



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FIG.28

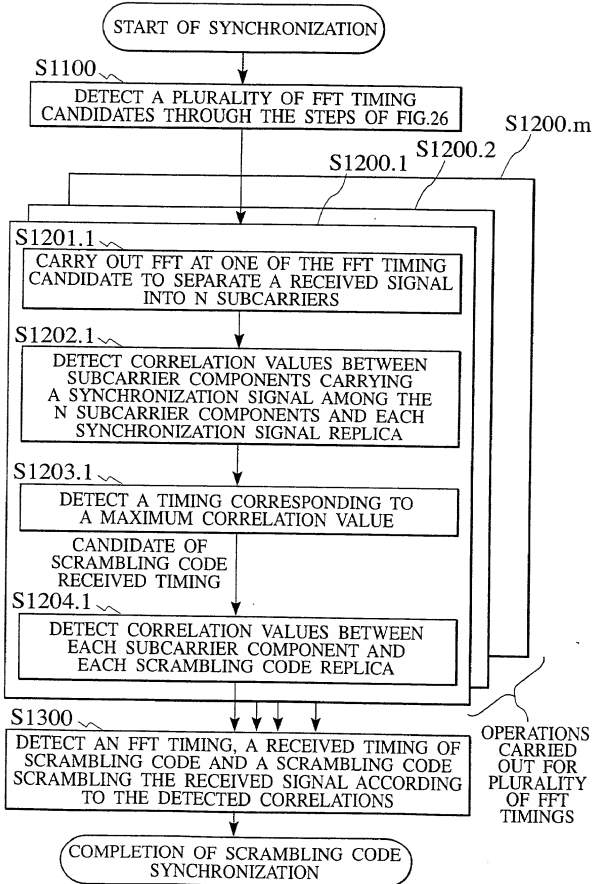
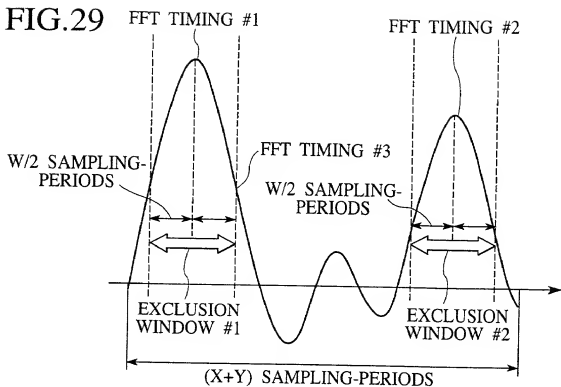
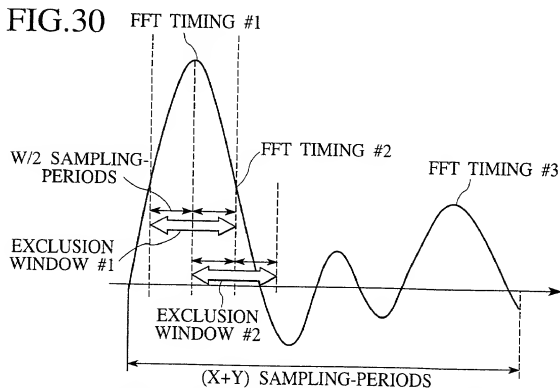


FIG. 28

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AN EXCLUSION WINDOW IS SET BEFORE AND AFTER A
DETECTED FFT TIMING BY W/2 SAMPLING PERIODS
(EXCLUSION WINDOWS #1 AND #2 ARE NOT OVERLAPPING)

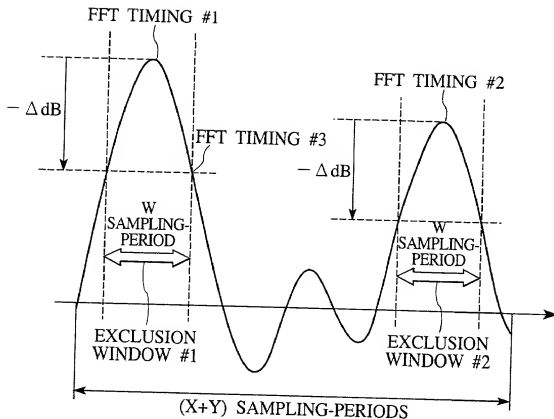


AN EXCLUSION WINDOW IS SET BEFORE AND AFTER A
DETECTED FFT TIMING BY W/2 SAMPLING PERIODS
(EXCLUSION WINDOWS #1 AND #2 ARE OVERLAPPING)

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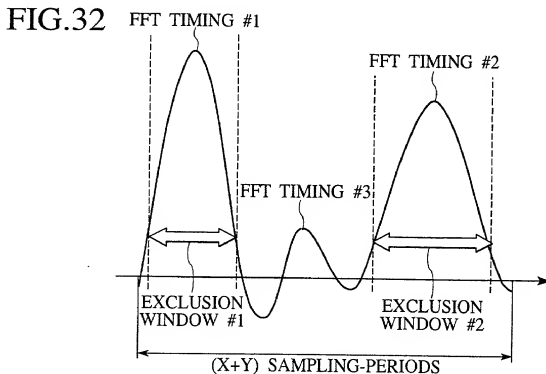
FIG.31



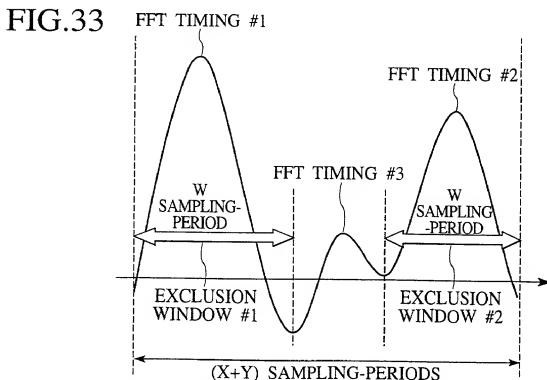
AN EXCLUSION WINDOW IS EXTENDED FROM A DETECTED TIMING TO TWO POINTS EACH HAVING A CORRELATION VALUE ΔdB SMALLER THAN THE CORRELATION VALUE OF DETECTED TIMING

FIG. 31

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AN EXCLUSION WINDOWS IS NARROWED IF A SEQUENCE OF CORRELATION VALUES INCLINED STEEPLY AND IS WIDENED IF IT INCLINED GENTLY

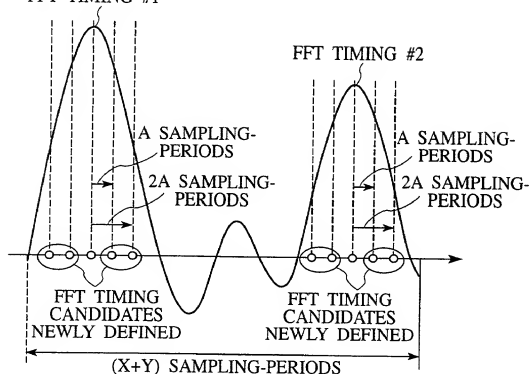


AN EXCLUSION WINDOWS IS EXTENDED FROM A DETECTED TIMING TO AN INFLECTION POINT AS LONG AS A SEQUENCE OF CORRELATION VALUES DECREASES

09985674.110501

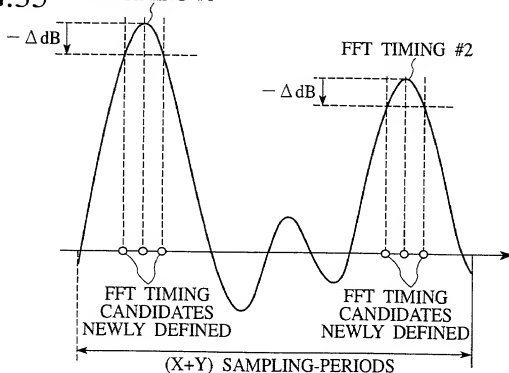
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FIG.34 FFT TIMING #1



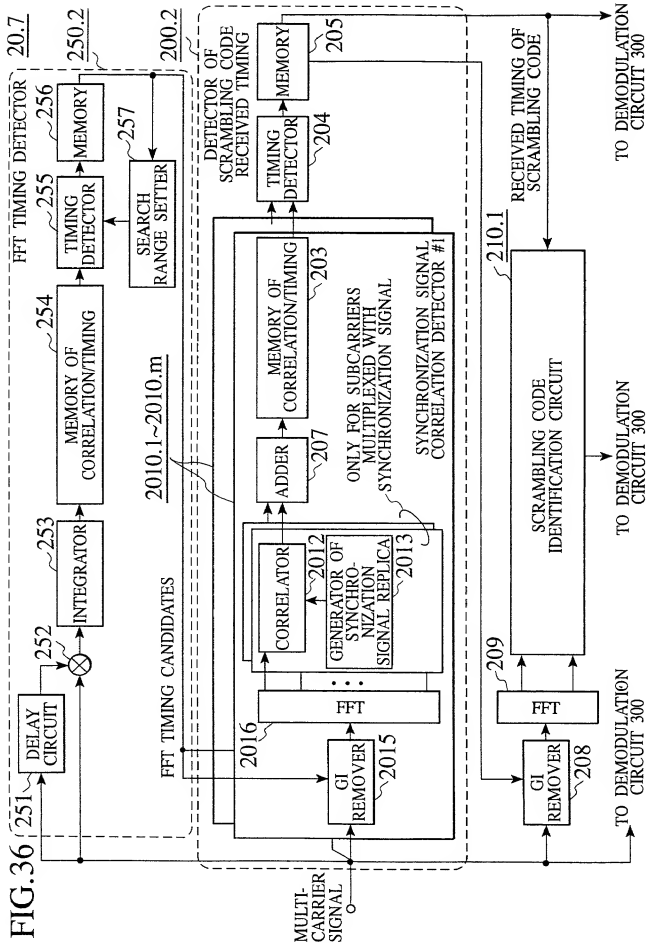
NEW TIMING CANDIDATES ARE DEFINED AT POINTS $\pm A$ AND $\pm 2A$ SAMPLING-PERIODS AWAY FROM A DETECTED TIMING

FIG.35 FFT TIMING #1



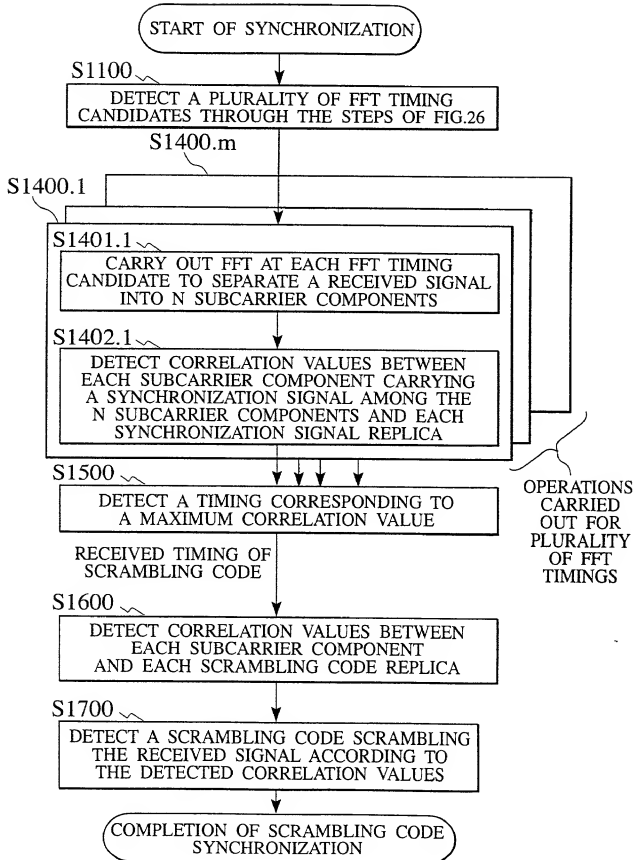
NEW TIMING CANDIDATES ARE DEFINED AT POINTS EACH HAVING A CORRELATION VALUE Δ dB SMALLER THAN THE CORRELATION VALUE OF A DETECTED TIMING CANDIDATE

FIG.34-1050

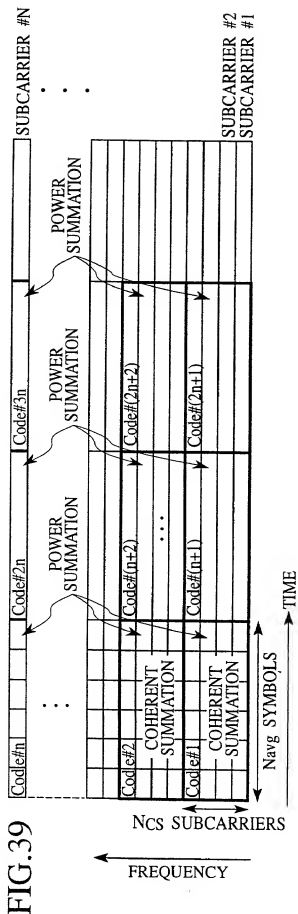
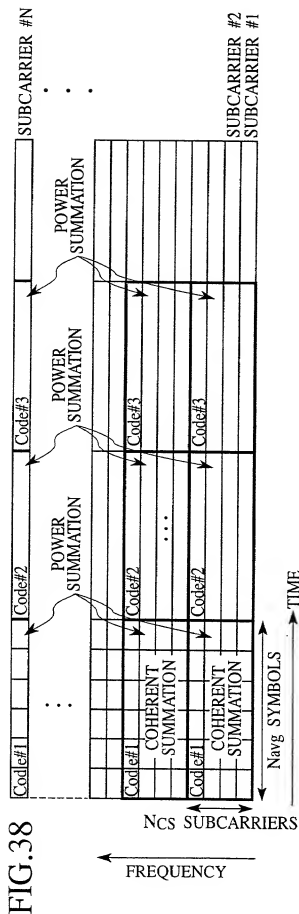


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FIG.37



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FIG.40

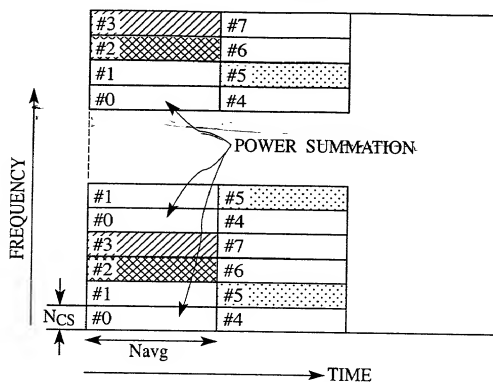


FIG.41

